

22032  
S/177/61/000/001/008/010  
D211/D306

An apparatus for studying ...

tic diagram of the apparatus is given. The automatic tape recorder requires an alternating current of 220 volts and the stepfinder a direct current of 24V. In the author's opinion this apparatus may be used for studying the psycho-physiological characteristics of flying personnel. There are 3 figures.

SUBMITTED: April, 1960

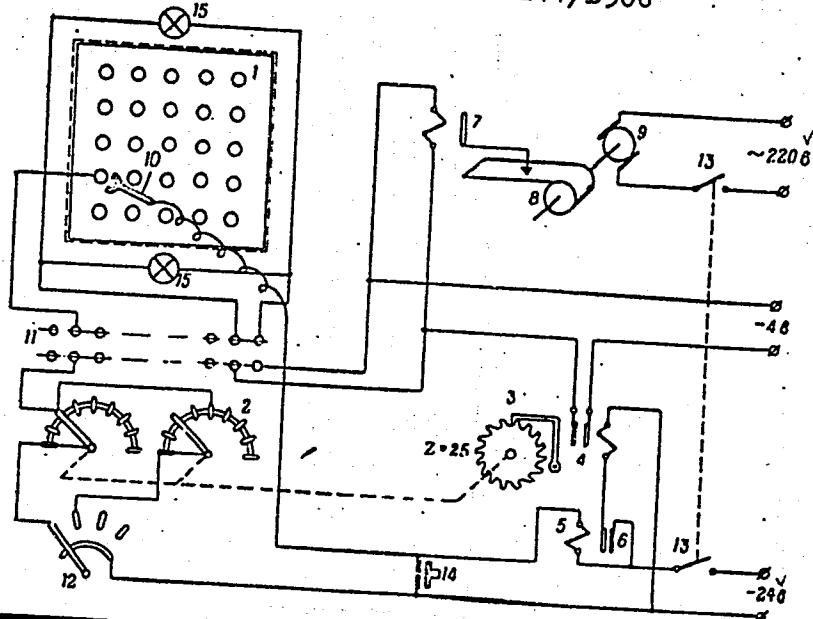
Card 2/4

An apparatus for studying ...

Fig. 2.

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An apparatus for studying ...

Fig. 2. (cont'd)

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D211/D306

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Legend: 1 - Numbered panel; 2 - stepfinder ATS (Dial Telephone System); 3 - relay of the stepfinder; 4 - contacts of the signal system; 5 - 6 - lamps; 7 - recorder; 8 - recording tape moving at a constant speed of 15 cm/min; 9 - Warren's electric motor; 10 - contact rod; 11 - device for exchanging number panels; 12 - key for changing no. sequences; 13 - switches to the general current supply; 14 - button which puts the stepfinder into a new working position; 15 - signal lamps.

Card 4/4

ARALOV,V.; EL'YASHEV, L.

Improving the quality of production is the necessary condition  
for increasing profit. Fin. SSSR 37 no.1:35-39 Ja '63.

(Quality control)

(MIRA 16:2)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5

ARALOV, Viktor Alekseevich; LEVSHIN, Anatoliy Vladimirovich;  
KUDRYAVCHIKOVA, V., red.; TROYANOVSKAYA, N., tekhn.red.

[Social insurance in the U.S.S.R.] Sotsial'noe obespechenie  
v SSSR. Moskva, Gos.izd-vo polit.lit-ry, 1959. 94 p.

(Insurance, Social)

(MIRA 12:8)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5"

SKLYAROVA, V.K., otvetstvennyy redaktor; SHESTAKOV, V.A., redaktor;  
APALOVA, V.I., redaktor; RAZUMOVSKAYA, S.V., redaktor; TIMCHENKO, P.I.,  
redaktor; TURCHANOVSKAYA, L.P., redaktor; GOLIKOVA, N.A., redaktor;  
SARKISYAN, P.A., redaktor; SHTERENBERG, A.P., redaktor; MEDVEDEVA,  
L.A., tekhnicheskiy redaktor.

[Children's clothes] Detskaia odezhda. Moskva, [Izd.Gos.nauchno-  
tekhn.izd-va M-va legkoi promyshl.SSSR] 1957. 64 p., 1 fold.pattern.  
(Clothing and dress)

SKLYAROVA, V.K., otv. red.; ARALOVA, V.I., red.; VOL'MAN, V.K., red.; DERZHAVIN, B.A., red.; IVANOVA, V.A., red.; KOMAROVA, V.R., red.; KULICHEV, A.F., red.; MAKAROVA, N.S., red.; NARODETSKIY, red.; PROKOF'YEVA, T.I., red.; PROZOROVA, T.A., red.; RAZUMOVSKAYA, S.V., red.; RODIONOV, V.A., red.; SURGUNOVA, N.S., red.; KHVOSTOV, V.V., red.; KLEYMENOVA, T.A., tekhn. red.

[Men's clothing] Muzhskaia odezhda. Moskva, 1961. 27 p.  
(MIRA 15:2)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya planovaya kommissiya, Vsesoyuznyy institut assortimenta izdeliy legkoy promyshlennosti i kul'tury odezhdy.

(Men's clothing)

GOLUTVINA, A.N., kandidat meditsinskikh nauk.; IKONNIKOV, N.N.,; ARALOVA,  
Z.T.,; CHERNYATINA, A.N.,; SOTRAPINSKAYA, T.B.

Biomycin in the treatment of gonorrhea and nongonorrheal diseases  
of the urogenital system. Vest. ven.i derm. 6:46-48 N-D '55. (MLRA 9:5)

1. Iz Sverdlovskogo oblastnogo nauchno-issledovatel'skogo kozhno-  
venerologicheskogo instituta i oblastnogo dispansera (dir.-kandidat  
meditsinskikh nauk A.V. Bakhireva; i.o. glavnogo vracha oblastnogo  
dispansera N.P. Toporkov)

(ANTIBIOTICS, ther. use

biomycin, in

gonorrheal & non-gonorrheal dis. of urogenital system)  
(UROGENITAL SYSTEM, dis.

ther., biomycin)

(GONORRHEA, ther.  
biomycin))

ARTEM'YEV, S.A.; NYUNIKOVA, O.I.; ZHAROV, A.V.; METAL'NIKOV, B.P.; KISLOVA, T.A.; STAROSTINA, Z.D.; CHASTIKOVA, A.V.; TEMYANKO, S.A.; IKONNIKOV, N.N.; ARALOVA, Z.T.; GRISHINA, A.M.

Levomycetin in the treatment of gonorrhea; results of a cooperative study. Vest. derm. i ven. 33 no.2:70-73 Mr-Ap '59. (MIRA 12:7)

1. Iz TSentral'nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (zav. otdelom gonorei - prof. I.M. Porudominskiy, dir. - kand. med. nauk N.N. Turanov) Ministerstva zdravookhraneniya RSFSR. 2. TSentral'nyy nauchno-issledovatel'skiy kozhno-venerologicheskii institut (for Nyunkova).
3. Bashkirskiy krayevoy kozhno-venerologicheskii institut (for Zharov).
4. Gor'kovskiy krayevoy kozhno-venerologicheskii institut (for Temyanko).
5. Sverdlovskiy krayevoy kozhno-venerologicheskii institut (for Grishina).  
(CHLORAMPHENICOL, ther. use,  
gonorrhea (Rus))  
(GONORRHEA, ther.  
chloramphenicol (Rus))

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5

ARALOVETS, N.

N/5  
761.121  
.A6

Zhenskiy trud v promyshlennosti SSSR (The work of women in USSR Industry) Moskva,  
izd-vo VTsSPS profizdat, 1954.  
174 p. tables.

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5"

ARALOVETS, N.

Subject worthy of thorough treatment ("Solution of the problem  
of women in the U.S.S.R." by V. Bil'shai. Reviewed by N. Aralovets.  
Sots. Trud. no.3:148-154 Mr '57. (MLRA 10:4)  
(Women) (Bil'shai, V.)

ARALOVETS, N.D., kand.ekonom.nauk, dotsent

The communist labor movement is the highest form of socialist competition during the large-scale building of a communist society. Trudy MIIT no.166:4-35 '62. (MIRA 16:6)  
(Socialist competition) (Railroads)

LANDA, A.M.; ARALOVICH, S.M.

Physical factors in preventing suppuration of infected wounds in industry. Vop.kur.fizioter. i lech.fiz.kul't no.3:38-43 J1-S '55.  
(MLRA 8:8)

1. Iz khirurgicheskogo otdeleniya Nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. --prof. A.N. Obrosov)

(INFECTIONS,

wounds in indust., suppuration prev. ultraviolet rays )  
(WOUNDS AND INJURIES,

indust. wounds, infected, suppuration prev., ultra-violet rays)

(ULTRAVIOLET RAYS, ther. use.

prev. of suppuration of infected indust. wounds)

ARAM, C.

Contributions to the study of the incipient detonation in motors with spark ignition for automobile trucks.

p. 57 (Academia Republicii Populare Romine. Institutul de Energetica. Studii Si Cenetari de Energetica. Vol. 7, no. 1, 1957, Bucuresti, Romania)

Monthly Index of East European Accessions (EEAI) I.C. Vol. 7, no. 2,  
February 1958

Arama, C.; Soare, M.,

TECHNOLOGY

Periodical STUDII SI CERCETARI DE ENERGETICA Vol. 8, No. 3, 1958

Arama, C.; Soare, M.; On the extent of compression power necessary to the  
spark-ignition engines. p. 361.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 5, 3  
May 1959, Unclass.  
March,

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5

ARAMA, Constantin, prof., ing.; RADU-CERNEA, A., conf. ing.

Normal combustion in spark ignition motors. II. Metalurgia constr  
mas 8 no.11:956-966 N '61.

(Spark plugs) (Combustion)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5"

ARAMA, Constantin, prof., ing.

Normal combustion in spark ignition engines. Metalurgia constr mas  
13 no.8:676-688 Ag '61.

(Spark plugs)

ARAMA, Constantin, ing.

Mechanical efficiency of internal-combustion engines. Metalurgia  
constr mas 14 no.1:43-52 Ja '62.

1. Institutul politehnic, Bucuresti; membru al Comitetului de  
redactie, "Metalurgia si constructia de masini".

ARAMA, C., prof. ing.

Correcting the characteristics of supercharged engines with ignition by compression. Metalurgia constr mas 14 no.11:995-997 N '62.

1. Institutul politehnic, Bucuresti.

ARAMA, Constantin, prof. ing.

Considerations on the problems of terminology of internal combustion engines. Metalurgia constr mas 15 no.1:45-51 Ja '63.

1. Institutul politehnic, Bucuresti.

ARAMA, I., and others

The foreman, a decisive factor in production. p. 3.  
(CONSTRUCTORUL. Vol. 9, no. 399, Sept. 1957, Bucuresti, Rumania)

S0: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.  
Uncl.

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5

ARAMA, L.; ARAMA, O.

An evaluation of the remainder in the approximation of functions by the S.N. Bernstein generalized polynomials. Rev math Roum 9 no.4:363-374 '64

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5"

ARAMA, Oleg

S.A.Chaplygin's bilocal problem and theorem of differential inequalities with concurrent knots, for linear differential equations of the second order. Studii cerc mat Cluj 9 no.1/4:7-38 '58. (EEAI 10:5)

1. Institutul de calcul, Academia R.P.R. - Filiala Cluj.  
(Differential equations)  
(Topology)

ARAMA, Oleg

Comparative results with regard to some problems of polylocal  
limits for linear differential equations. Studii cer mat 10 no.2:  
207-257 '59.  
(EEAI 10:9/10)

1. Institutul de calcul, Academia R.P.R. - Filiala Cluj; Secretar de  
redactie, "Studii si cercetari de matematica"(Filiala Cluj)

(Differential equations) (Calculus) (Interpolation)

S/044/62/000/012/007/049  
A060/A000

AUTHOR: Arama, Oleg

TITLE: On the distribution of real roots of the solutions of differential equations in connection with certain boundary problems

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1962, 39, abstract 12B180  
(Studii și cercetări mat. Acad. RPR Fil. Cluj, 1960, v. 11, no. 2,  
241 - 259; Rumanian; summaries in Russian, English)

TEXT: The equation  $y^{(n)} + a_1(x)y^{(n-1)} + \dots + a_{n-1}(x)y' + a_n(x)y = 0$  possesses the property  $I_n[a, b]$ , if for all  $x_1, x_2, \dots, x_n$   $x_1 \in [a, b]$  and all  $y_1, y_2, \dots, y_n$  there exists a unique solution such that  $y(x_1) = y_1$ . It is demonstrated that, if  $Y_1$  is the set of solutions such that  $y(a) = y'(a) = \dots = y^{(i-1)}(a) = 0, y^{(i)}(a) \neq 0$ , then the necessary and sufficient condition for the equation to possess the property  $I_n[a, b]$  is that for all  $i < n-1$ ,  $Y_1$  should not contain solutions having in  $(a, b)$  roots of multiplicity  $\geq n-i$ . One more condition is established connecting the property  $I_n$  with the existence of a solution of a certain nonhomogeneous boundary problem. The greatest number

Card 1/2

8/044/63/000/002/030/050  
AC60/A126

AUTHOR: Arama, Oleg

TITLE: On the remainder term of certain Runge-Kutta type formulae for the numerical integration of differential equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1963, 3 - 4, abstract 2V5  
(Studii si cercetări mat. Acad. RPR Fil. Cluj, 1960, v. 11, no. 1,  
Fasc. anex, 9 - 29; Rumanian; summaries in Russian, French)

TEXT: Let there be given a differential equation  
 $y' = f(x, y), \quad y(x_0) = y_0.$

An estimate is made of the remainder term

$e^{(p+1)}(h) = M^{(p+1)}(h) - y(x_0 + h), \quad (p = 0, 1, \dots, n)$   
for the method of numerical integration proposed by D.V. Ionescu. The approximating functions

$M^{(p+1)}(h), \quad (p = 0, 1, \dots, n)$

Card 1/3

5

1

S/044/63/000/002/030/050  
A060/A126

On the remainder term of certain . . . .

are constructed with the aid of the recurrence formulae

$$M^{(p+1)}(h) = g_0 + h \sum_{i=1}^p \alpha_i^{(p)} / (x_0 + \lambda_i^{(p)} h, M^{(p)}(\lambda_i^{(p)} h)),$$

where  $\alpha_i^{(p)}$  and  $\lambda_i^{(p)}$  ( $i = 1, 2, \dots, r_p$ ) are the coefficients of quadrature formulae

$$\int_{x_0}^{x_0+h} \varphi(s) ds = h \sum_{i=1}^p \alpha_i^{(p)} \varphi(x_0 + \lambda_i^{(p)} h) + R^{(p)}(h; \varphi),$$

having a degree of precision  $g_p \geq p$  ( $p = 1, 2, \dots, n$ ). It is demonstrated that all the functions  $M^{(p+1)}(h)$  ( $p = 0, 1, \dots, n$ ) are defined for  $h \in [0, a^*]$  and that for such values there holds the estimate

$$|e^{(p+1)}(h)| \leq h^{p+1} [\bar{p}_p^{(p)}(h) + L \bar{\rho}_p^{(p-1)}(h) A_{p+1}^{(p)} + \\ + L^2 \bar{\rho}_p^{(p-1)}(h) A_{p+1}^{(p)}, A_p^{(p-1)} + L^3 \bar{\rho}_p^{(p-3)}(h) A_{p+1}^{(p)} A_{p-1}^{(p-1)} \times \\ \times A_{p-1}^{(p-2)} + \dots + L^p \bar{\rho}_p^{(0)}(h) A_{p+1}^{(p)}, A_p^{(p-1)}, \dots, A_2^{(1)}],$$

Card 2/3

On the remainder term of certain ....

where

S/044/63/000/002/030/050  
A060/A126

$$p=1, 2, \dots, n, L = \sup_{D^0} \left| \frac{\partial f}{\partial y} \right|, A^{(p)} = \sum_{i=1}^p |a_i^{(p)}| \lambda_i^{(p)} h^i$$

$$(k=0, 1, 2, \dots; p=1, 2, \dots).$$

The numbers

$$\bar{p}_p^{(p)}(h), \bar{p}_p^{(p-1)}(h), \dots, \bar{p}_p^{(0)}(h)$$

are defined by the relations

$$\bar{p}_p^{(p-1)}(h) = \max_{i=1, 2, \dots, r_p} |\rho^{(p-1)}(\lambda_i^{(p)}(h; F))|,$$

$$R^{(p)}(h; y) = h^{p+1} \rho^{(p)}(h; \varphi),$$

The case is investigated where some of the coefficients  $\lambda_1^{(p)}$ , and  $\lambda_2^{(p)}$  are negative. Numerical examples are cited. There are 26 references.

[Abstracter's note! Complete translation]

I.F. Shelikhova

Card 3/3

ARAMA, Oleg

A problem of lacunary interpolation with solutions of the differential equations. Comunicările AR 13 no.9:777-781 S'63.

1. Comunicare prezentată de academician T.Popoviciu.

ARAMA, Oleg (Cluj)

Comparative results on certain polylocal problems  
relating to linear differential equations. Bull  
math Rum 6 no.1/2:3-52 '62 [publ. '64].

1. Institute of Calculation, Rumanian Academy, Cluj.

APAMA, L.; ARAMA, O.

An evaluation of the remainder in the approximation of functions by the S.N. Bernstein generalized polynomials. Rev math Roum 9 no.4:363-374 \*64

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CIA-RDP86-00513R000101910013-5

ARAMA, O.

From the activity of the Computation Institute of the  
Rumanian Academy. Gaz mat fiz 69 no.6:201-209 Je'64.

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5"

ARAMANOVICH, I. [G]

ARAMANOVICH, I.—"On the Distribution of Tension in an Elastic Semiplane Weakened by a Reinforced Round Aperture." \*(Dissertations For Degrees In Science And Engineering Defended At USSR Higher Educational Institutions (34)). Moscow Order of Lenin and Order of Labor Red Banner State U. imeni M. V. Lomonsov, Moscow, 1955

SO: Knizhnaya Letopis' No. 34, 20 August 1955

\* For the Degree of Candidate in Physicomathematical Sciences

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5"

ARAMANOVICH, I. G.

Transactions of the Third All-union Mathematical Congress (Cont.)  
Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.  
Reports by the following personalities are included:

- Aramanovich, I. G. (Moscow): Effective Solution of Plane Problem  
of the Theory of Elasticity for Nonhomogeneous Two-valent  
Regions Bounded by Straight Line and Circle. 199
- Arutyunyan, N. Kh. (Yerevan) and Chobanyan, K. S. (Yerevan).  
Torsion and Deflection of Prismatic Rods of Various  
Materials, With Regard to Creep. 199
- Barenblatt, G. I. (Moscow). On Some Non-linear Parabolic  
Problems of the Hydrodynamic Theory of Non-stationary  
Filtration. 199-200
- Bolotin, V. V. (Moscow). Some Problems of the Theory  
of Elastic Stability. 200
- Vinograd, R. E. (Moscow). Necessary and Sufficient  
Conditions of the Regularity of Systems of Differential  
Equation. Card 65/80 200-201

AUTHOR  
TITLE

ARAMANOVICH, I.G.

PA - 2236

The Problem of the Pressure on an Elastic Semiplane with a circular Hole (Zadacha o davlenii shtampa na upruguyu poluploskost' s krugovym otverstiyem).

PERIODICAL

Doklady Akademii Nauk SSSR, 1957, Vol 112, Nr 4, pp611-614 (U.S.S.R.)

Received 4/1957

Reviewed 5/1957

ABSTRACT

The present work examines the contact problem concerning the pressure of a stamp for the case that a semi-plane possesses a circular hole which is situated symmetrically near the place of contact of the semi-plane with a stamp. The elastic medium is assumed to occupy the lower semi-plane. The stamp, which has a rectilinear base line, is now supposed to be able to shift only in the vertical direction. The exterior forces acting on the stamp are supposed to be symmetric to the vertical axis of the stamp. No exterior forces are assumed to be acting on the edge of the circular hole. The author here makes use of the complex potentials of KOLOSOV - MUSCHELISHVILI  $\varphi_0(z)$  and  $\psi_0(z)$ . The boundary conditions of the problem are explicitly written down. Here the functions  $\Phi(z)$  and  $\Psi(z)$  are introduced, which contain line integrals and are regular within the entire domain under investigation.

For these two functions equations are obtained, which in the right sides contain the linear operators  $F_1(t)$  and  $F_2(t)$  of an auxiliary function  $\Omega(t)$ . These are the equations of the mixed problem of the elasticity theory for the semi-plane. Its solution is then ex-

Card 1/2

GAKHOV, Fedor Dmitriyevich; ARAMANOVICH, I.G., red.; AKHIEZOV, S.N.,  
tekhn.red.

[Boundary value problems] Kraevye zadachi. Moskva, Gos. izd-vo  
fiziko-matem.lit-ry, 1958. 543 p. (MIRA 12:1)  
(Differential equations)

ARABANOVICH, I.G. (Moskva); ZETEL', S.I. (Moskva)

Approximation of function graphs by second-order curves. Mat.pros.  
no.4:179-187 '59. (Geometry, Algebraic) (MIRA 12:11)

- KAATA MICH A.G.*
- REPORT presented at the 1st All-Union Congress of Theoretical and Applied Mechanics,  
Moscow, 27 Jan - 3 Feb 60.
1. A. A. Abrikosov (Kiev) *Electromagnetic theory and mechanics of magnetic*  
*transformations*.
  2. A. A. Abrikosov (Kiev) *Theory of oriented media*.
  3. A. L. Al'tshuler (Kiev) *Electromagnetic theory and mechanics of magnetic*  
*transformations*.
  4. A. I. Abramov (Astrakhan) *Stress of oriented media*.
  5. A. I. Abramov (Astrakhan) *Stress of oriented media with liquid inclusion*.
  6. I. V. Andronov (Lvov) *Theory of polarized crystals*.
  7. I. V. Andronov (Lvov) *Some problems in the theory*  
*of dielectric plates and rectangular plates by means of perturbation*  
*method*.
  8. I. V. Andronov (Lvov) *Theory of oriented media*.
  9. I. V. Andronov (Lvov) *Stress of oriented media*.
  10. I. V. Andronov (Lvov) *Stress of oriented media*.
  11. I. V. Andronov (Lvov) *Stress of oriented media*.
  12. I. V. Andronov (Lvov) *Stress of oriented media*.
  13. I. V. Andronov (Lvov) *Stress of oriented media*.
  14. I. V. Andronov (Lvov) *Stress of oriented media*.
  15. I. V. Andronov (Lvov) *Stress of oriented media*.
  16. I. V. Andronov (Lvov) *Stress of oriented media*.
  17. N. Argon (M. Institute (USSR)) *Properties of surfaces in a theory*  
*of inhomogeneous forces*.
  18. N. Argon (M. Institute (USSR)) *Properties of surfaces in a theory*  
*of oriented media*.
  19. N. D. Antonov (Kharkov) *The plane stress problem of the*  
*theory of groups*.
  20. T. I. Antropov (Lvov) *Electromechanical properties of oriented*  
*media of some rubbers*.
  21. G. A. Ardelia (Chernigov) *The general solution of the problem*  
*of electric strains in a theory of finite angles*.
  22. G. A. Ardelia (Chernigov) *The theory of magnetostatic waves*.
  23. G. A. Ardelia (Chernigov) *Mechanical properties of rubber-like*  
*polymers*.
  24. G. I. Argonova (Lvov) *Spiral waves of oriented media*.
  25. G. I. Argonova (Lvov) *Temperature characteristics in*  
*oriented media and metal media*.
  26. G. I. Argonova (Lvov) *Stress distributions (theories)* for  $\epsilon_0 \neq \mu_0$ .
  27. G. I. Argonova (Lvov) *The dynamics of magnetostatic waves*.
  28. G. I. Argonova (Lvov) *The theory of the stress state*  
*of rubber-like solid media and its applications*.
  29. G. I. Argonova (Lvov) *Stress distributions for solving non-linear problems in the theory*  
*of plates and shells*.
  30. V. I. Babin (Kharkov) *Stress amplitude theories*.
  31. V. I. Babin (Kharkov) *Stress distributions in oriented media*.
  32. V. I. Babin (Kharkov) *On solving surface problems with*  
*electrostatics of particulates*.
  33. V. I. Babin (Kharkov) *Method of space transformations in the*  
*mechanics theory of plates and shells*.
  34. V. I. Babin (Kharkov) *The non-linear problem of stress*  
*elasticity at supercritical speeds*.
  35. V. I. Babin (Kharkov) *Strength and damage under action of*  
*periodic forces*.
  36. V. V. Belyaeva (Lvov) *The statistical theory of media*.

BERMAN, Georgiy Nikolayevich [deceased]. Prinimali uchastiye: ARAMANOVICH,  
I.G.; KORDEMSKIY, B.A.; POZOYSKIY, R.I.; SHESTOPAL, M.G.; SOLODKOV,  
V.A., red.; AKHLLAMOV, S.N., tekhn.red.

[Collection of problems for the course in mathematical analysis]  
Sbornik zadach po kursu matematicheskogo analiza. Izd.10, perer.  
i dop. Moskva, Gos.ind.-vo fiziko-matem.lit-xy, 1960. 443 p.

(Mathematical analysis--Problems, exercises, etc.)  
(MIRA 13:12)

ARAMANOVICH, I.G.; GUTER, R.S.; LYUSTERNIK, L.A.; RAUKHVARGER, I.L.;  
SKANAVI, M.I.; YANPOL'SKIY, A.R. Prinimali uchastiye:  
TRENOGIN, V.A.; BITYUTSKOV, V.I.; LAPKO, A.F., red.;  
KOLESNIKOVA, A.P., tekhn. red.

[Mathematical analysis; differentiation and integration] Ma-  
tematicheskii analiz; differentsirovanie i integriruvaniye. [By]  
I.G.Aramanovich i dr. Moskva, Gos. izd-vo fiziko-matem. lit-ry,  
1961. 350 p. (MIRA 15:2)

(Mathematical analysis)  
(Calculus, Differential) (Calculus, Integral)

VOLKOVYSKIY, Lev Izrailevich; prof.; LUNTS, Grigoriy L'vovich;  
ARAMANOVICH, Isaak Genrikhovich; UGAROVA, N.A., red.;  
KRYUCHKOVA, V.N., tekhn.red.

[Collection of problems in the theory of functions of a  
complex variable] Sbornik zadach po teorii funktsii kompleksnogo  
peremennogo. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1961. 367 p.  
(MIRA 14:4)

(Function of complex variables)  
(Mathematics--Problems, exercises, etc.)

GOLUBEV, Vladimir Vasil'yevich; MARKUSHEVICH, A.I., red.; ARAMANOVICH,  
I.G., red.; SOLOMENTSEV, Ye.D., red.; ARANOVICH, I.G., red.;  
MURASHOVA, N.Ya., tekhn. red.

[Single-valued analytic functions; automorphic functions] Odno-  
znachnye analiticheskie funktsii, avtomorfnye funktsii. Vstup.  
stat'ia A.I. Markushevicha. Moskva, Gos. izd-vo fiziko-matem.lit-  
ry, 1961. 455 p. (MIRA 15:1)  
(Functions, Analytic) (Functions, Automorphic)

BERMANT, Anisim Fedorovich, prof.[deceased]; ARAMANOVICH, I.G., dots.;  
ARAMANOVICH, I.G., red.; UGAROV, N.A., red.; BRUDNO, K.F.,  
tekhn. red.

[Brief course in mathematical analysis for technical  
institutes] Kratkii kurs matematicheskogo analiza dlja vtuzov.  
Pri redaktsionnom uchastii I.G.Aramanovicha. Moskva, Gos. izd-  
vo fiziko-matem. lit-ry, 1961. 663 p. (MIRA 15:3)  
(Mathematical analysis)

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"Calculation of force fits in the manufacture of machinery" by N.D.  
Tarabasov. Reviewed by I.G.Aramanovich and others. Izv. Akad SSSR.  
Otd.tekh.nauk.Mekh.i mashinostr. no.5:189-190 S.O.'61.

(Machine-shop practice) (Strains and stresses)  
(Tarabasov, N.D.) (MIRA 14:9)

GUTER, Rafail Samoylovich; OVCHINSKIY, Boris Vladimirovich; ARAMANOVICH,  
I.G., red.; MOROZOVA, I.Ye., red.; YERMAKOVA, Ye.A., tekhn. red.

[Elements of numerical analysis and mathematical processing of  
experimental results] Elementy chislennogo analiza i matematiches-  
koi obrabotki rezul'tatov opyta. Moskva, Fizmatgiz, 1962. 354 p.  
(Mathematical analysis) (Mathematical statistics)

(MIRA 15:12)

GAKHOV, Fedor Dmitriyevich; ROGOZHIN, V.S., dots., red.; BACHURINA, T.A., aspirant, red.; GOVORUKHINA, A.A., aspirant, red.; ZARIPOV, R.Kh., aspirant, red.; MEL'NIK, I.M., aspirant, red.; MIKHAYLOV, L.G., aspirant, red.; LITVINCHUK, G.S., aspirant, red.; PARADOKSOVA, I.A., aspirant, red.; KHASABOV, E.G., aspirant, red.; CHERSKIY, Yu.I., aspirant, red.; YANOVSKIY, S.V., aspirant, red.; ARAMANOVICH, I.G., red.; Prinimali uchastiye: BOROVSKAYA, N.I., red.; RYSYUK, N.A., red.; SMAGINA, V.I., red.; KHAYRULLIN, I.Kh., red.; CHUMAKOV, F.V., red.; POLOVINKIN, S.M., red.; KEPPEN, I.V., red.; MIKHLIN, E.I., tekhn. red.

[Boundary value problems] Kraevye zadachi. Izd.2., perer. i dop.  
Moskva, Fizmatgiz, 1963. 639 p. (MIRA 16:3)  
(Boundary value problems)

BERMAN, Anisim Fedorovich, prof. [deceased]. Prinimal uchastiye  
ARAMANOVICH, I.G.; dots.; UGAROVA, N.A., red.; BRUDNO,  
K.F., tekhn. red.

[Brief course in mathematical analysis for institutes of  
higher education] Kratkiy kurs matematicheskogo analiza  
dlya vuzov. Izd.2., ispr. Moskva, Fizmatgiz, 1963. 663 p.  
(Mathematical analysis) (MIRA 16:8)

ARAMANOVICH, I.G.; GRIGOR'YEV, A.S.; GRIGOLYUK, E.I.;  
[REDACTED] G.YU.

Letter to the editor on N.D. Tarabasov's article "Stressed  
state of nonhomogeneous parts connected with a tight fit."  
Izv. AN SSSR Otd. tekhn. nauk. Mekh. i mashinostr. no.2:  
188-192 Mr-Ap '63. (MIRA 16:6)

(Strains and stresses)  
(Tarabasov, N.D.)

ARAMANOVICH, I.G.; SHERMAN, D.I. (Moscow)

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ARABANOVICH, Isaak Genrikhovich; LEVIN, Viktor Iosifovich; UGAROVA,  
N.A., red.

[Equations of mathematical physics] Uravneniya matematicheskoi fiziki. Moskva, Izd-vo "Nauka," 1964. 286 p.  
(MIRA 17:8)

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UGAROVA, N.A., red.

[Mathematical physics equations] Uravnenija matematicheskoi fiziki. Moskva, Nauka, 1964. 286 p. (MIRA 17:9)

ARAMANOVICH, Isaak Genrikhovich; IUNTS, Grigoriy Lvovich;  
EL'SGOL'TS, Lev Ernestovich; SHIROKOVA, S.A., pred.

[Functions of a complex variable. Operational calculus.  
Stability theory] Funktsii kompleksnogo peremennogo.  
Operatsionnoe ischislenie. Teoriia ustoichivosti. Mo-  
skva, Nauka, 1965. 390 p.

(MTRA 18:12)

KLYACHKO, L.S., inzh.; KRASNOSHCHEKOV, L.F., inzh.; AKOPYAN, V.V., inzh.;  
ARAMANOVICH, R.P., inzh.

Standard for ventilation air ducts with rectangular cross sections.  
Mont.i spets.rab.v stroi. 22 no.6:26-28 Jl '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhnicheskikh  
i sanitarno-tehnicheskikh rabot, trest Santekhmontazh-62.  
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ARAMASTSEV, K. D.

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Apiculture information on the radio. Pchelovodstvo No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1953/2 Uncl.

ARAMBASIC, Bozidar, Dr.; MOCIC, Mirjana, Dr.; SEDLAR, Danuska, Dr.;  
JERIC, Sonja, Dr.; PERISIC, Zivadin, Dr; KECMANOVIC, Miomir, Dr.  
PAVLOVIC, Jovan Dr.

Role of Leoffler's bacillus in epidemiology, clinical aspects  
and prognosis of diphtheria. Bibl.Hig.inst.Srbije no.5:155-162 '54.

1. Infektivna klinika Medicinskog fakulteta u Beogradu  
(DIPHTHERIA,  
epidemiol., clin.aspects & progn.bacteriol. aspects)

ARAMBASIC, Bozidar, Prifm.dr; JERIC, Sonja, dr; PAVLOVIC, Jovan, dr;  
PERISIC, Zivojin, dr; ILIC, Lazar, dr; KECMANOVIC, Miomir, dr;  
MILISAVLJEVIC, Anica, dr.

Problem of infectious mononucleosis of the pseudodiphtheric type.  
Srpski arh.celok.lek. 77 no.12:1561-1573 Dec.54.

1. Klinika za infektivne bolesti Medicinskog fakulteta u Beogradu.  
Upravnik: akadem. prof.dr Kosta Todorovic,  
(INFECTIONOUS MONONUCLEOSIS, differential diagnosis,  
pseudodiphtheric type)

ARAMBASIC, Bozidar; ATANACKOVIC, Ana; CVORIC, Milka; POPOVIC, Jelisaveta

Case of myocarditis during infectious mononucleosis. Srpski  
arh. celok. lek. 84 no.9:1012-1020 Sept 56.

1. Klinika za infektivne bolesti Medicinskog fakulteta u  
Beogradu Upravnik: prof. dr. Kosta Todorovic.  
(INFECTIOUS MONONUCLEOSIS, compl.  
myocarditis (Ser))  
(MYOCARDITIS, in various dis.  
infect. mononucleosis (Ser))

ARAMBASIC, Bozida, dr.; MOCIC, Mirjana, dr.; SEDLAR, Danuska, dr.; JERIC, Sonja, dr.; PAVLOVIC, Jovan, dr.; PERISIC, Zividan, dr.; KECMANOVIC, Miomir, dr.

A great number of toxic diphtheria treated in 1951 and 1952.  
Srpski arh. celok lek. 82 no.9:1041-1051 Sept 54.

1. Klinika za infektivne bolesti Medicinskog fakulteta u Beogradu,  
upravnik prof. dr. Kosta Todorovic.

(DIPHTHERIAE

toxic, clin. & differ. diag.)

*ARAMBASIC M.*

DANILOVIC, B., doc. dr.; GLIGOROVA, H., dr.; ARAMBASIC, M., dr.

Severe asthma and death in asthmatic attacks. Med. glasn. 8 no.5:  
163-167 May 54,

1. III Interna klinika Medicinskog fakulteta u Beogradu (upravnik  
prof. dr. Aleksandar Radosavljevic) i Patolosko-anatomiski institut  
Medicinskog fakulteta u Beogradu (upravnik prof. dr. Ksenofon  
Sahovic)

(ASTHMA  
fatal)

MAGARASEVIC, M.; RUVIDIC, R.; ARAMBASIC, M.; PUTNIK, M.; BOJANIC, M.

Miliary carcinosis of the lungs. Srpski arh.celok.lek. 83 no.2:  
233-243 Feb '55.

1. III Interna klinika Medicinskog fakulteta u Beogradu. Upravnik;  
prof. dr. Aleksandar Radosavljevic. 2. Radioloski institut Medi-  
cinskog fakulteta u Beogradu. Upravnik: prof. dr. Stojan Dedic.  
3. Patoloski i institut Medicinskog fakulteta u Beogradu. Upravnik:  
prof. dr. Ksenofon Sahovic.

(LUNGS, neoplasms,  
miliary carcinosis, pathol. & x-ray diag.(Ser))

SAHOVIC, K; ARAMBASIC, M.; STAMBOLOVIC, L; BROGIC, M

Pathological and anatomical modifications in the cranial nerves  
in tuberculous meningitis treated with streptomycin. Glas.Srpske  
akad.mauka, odelj.med. 215 no.9:21-38 1955.

1. Institut de pathologie de la Faculte de medicine de Beograd.  
( NERVES, CRANIAL, effect of drugs on,  
streptomycin, in meningeal tuberc.)  
( TUBERCULOSIS, MENINGRAL, therapy,  
streptomycin, eff. on cranial nerves)  
( STREPTOMYCIN, effects,  
on cranial nerves, in meningeal tuberc.)

SAHOVIC, K; ARAMBASIC, M.; BROGIC, M.;

Investigations on pathological and anatomical changes in the spinal cord and spinal roots in tuberculous meningitis treated with streptomycin. Glas. Srpske akad.nauka,odelj.med. 215 no.9: 161-177 1955.

(NERVES, SPINAL, in various diseases,  
tuberc.,meningeal, eff. of streptomycin ther.)  
(SPINAL CORD, in various diseases,  
tuberc.,meningeal, eff. of streptomycin ther.)  
(TUBERCULOSIS, MENINGEAL, pathology,  
spinal cord & nerves, eff. of streptomycin ther.)  
(STREPTOMYCIN, therapeutic use,  
tuberc.,meningeal, eff. on spinal cord & nerves)

*J. H. H. D. A. S. T. / B. J. T. F.*

KUZMANOVIC, Branislav; DJORDJEVIC, Bozidar; JOSIPOVIC, Vladan;  
MEDJEDOVIC, Veljko; ARAMBASIC, Milan

Syndrome of superior vena cava. Srpski arh. celok. lek. 85  
no.1:17-29 Jan 57.

1. Interna B klinika Medicinskog fakulteta u Beogradu  
Upravnik: prof. Radivoje Berovic.

(VENAE CAVAE, dis.

obstruct., clin. aspects (Ser))

ANTIC,R.; ARAMBASIC,M.

The E.C.G. alterations in the course of infusing fluid into the pericardial space and a tamponade of the heart. Acta med. jugosl. 13 no.2:140-163 '60.

1. Institute for Patho-physiology, Medical Faculty, University of Belgrade.

(ELECTROCARDIOGRAPHY)  
(PERICARDIUM physiol.)

SUVAKOVIC, Vojislav; ARAMBASIC, Milan; MOCIC, Mirjana; STEFANOVIC, Petar

Giant cells in measles and the possibility of cytodiagnosis in the catarrhal stage. Srpski arh. celok. lek. 91 no.5:483-489 My '63.

1. Klinika za infektivne bolesti Medicinskog fakulteta Univerziteta u Beogradu V. d. upravnika: prof. dr Mihailo Nikolic Patolosko-anatomski institut Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr Zivojin Ignjacev Klinika za bolesti uva, grla i nosa Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr Srecko Podvinec.

(MEASLES) (PNEUMONIA) (PATHOLOGY)  
(CYTODIAGNOSIS)

GREKOVA, A.I.; ARAMOVA, A.G.

New method of restoring the agglutination ability of nonagglutinating dysentery cultures. Zhur. mikrobiol., epid. i immun. 41 no.11:147-148 '65. (MIRA 18:5)

1. Frunzenskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101910013-5"

ARAMYAN, G., khudozhnik-konstruktor

Some problems of the design and decoration of commercial  
product packaging. Tekh. est. 2 no.9:10-11 S '65.  
(MIRA 18:11)

1. Spetsial'noye khudozhestvenno-konstruktorskoye byuro  
ArmSSR.

VOL'FSON, I.S.; ARAMYAN, Ye.S.; DUBOV, A.V.

Obtaining sulfolene. Nefteper. i neftekhim. no. 4:35. 37 '64.  
(MIFA 17:5)

1. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut,  
g. Bugul'ma.

ARAMYAN, N.G.; DZHANPOLADYAN, L.M., red.; AZOYAN, G.T., tekhn. red.

[Bibliography of Soviet literature on the technology of wine,  
1948-1956] Bibliograficheskii ukazatel' otechestvennoi literatury  
po tekhnologii vina 1948-1956. Erevan, Izd-vo Glav. upr. sel'skhoz.  
nauki MSKh Arm. SSR, 1957. 223 p. (MIRA 11:12)  
(Bibliography--Wine and wine making)

ARAMYAN, N.G.; DZHANPOLADYAN, L., red.; STEPANYAN, B., tekhn.red.

[Bibliography of Soviet literature on wine technology for  
1957 and 1958] Bibliograficheskii ukazatel' otechestvennoi  
literatury po tekhnologii vina za 1957-1958 gg. Erevan,  
Izd-vo Glav.upr.sel'khoz.nauki MSKh Armianskoi SSSR, 1959.  
119 p. (MIRA 14:2)  
(Bibliography--Wine and wine making)

VOL'FSON, I.S.; ARAMYAN, Ye.S.; YUDINTSEVA, I.P.; KHASANOVA, N.A.

Extraction of aromatic hydrocarbons with sulfolane. Khim.i  
tekhnicheskaya literatura 8 no.2:6-9 F '63. (MIRA 16:10)

L 21104-65 EWT(c)/SPP(c)/T Pr-4 A-25V

1977-1978 RPP, ARAL, UZ

Authors: S. Aramyan, Ye.S. Vardanyeva, I.P., Khassanova, N. A.  
Title: Effect of fractional composition on the extent of recovery of aromatics  
by countercurrent extraction.

Authors: Neftepeperesh tka i neftekhimika, no. 1, 1978, p. 1.

Title: Effect of fractional composition on the extent of recovery of aromatics  
by countercurrent extraction.

**ABSTRACT:** Straight-run gasoline fractions boiling at 62-85, 62-120, 62-150,  
85-120, and 120-150°C were used in the study. After dearomatizing with chlorine  
until the aromatic compounds were completely eliminated, some saturated hydrocarbons  
were added (benzene, toluene, xylenes) so that their total concentration was  
1% of the stock. The extent of aromatics recovery was determined by the  
method of ultraviolet spectrometry.

Keywords: Fractional distillation, Dearomatization, Benzene, Toluene, Xylenes, Chlorine, Recovery of aromatics from

L 21104-65

ACCESS ON NR: AP4049882

narrow fractions (62-85C, 85-120C), the reagent should be added to the reaction mixture.

The above fraction (62-120C) after separation is desirable. It can be delivered to the user, frozen in under liquid nitrogen or packed in dry ice and mailed in a padded envelope. Please advise us if you have any problem for it. Orig.

**ASSOCIATION:** Tatarskiy nauchno-issledovatel'skiy institut g. Kazan' (Tatar Scientific Research Institute, Kazan)

SUBMITTED: 00

ENCL: 00

NO REF SRV: 000

SUB CODE: FP, OC

OTHER: 000

Card 2/2

ARAN', Sh. (Vengerskaya Narodnaya Respublika).

Classification of saline soils of the Great Hungarian Plain  
[with French summary in insert]. Pochvovedenie no.7:1-10 Jl  
'56. (MLRA 9:11)  
(Hungary--Alkali lands)

COUNTRY	:	USSR
CATEGORY	:	Soil Science. Tillage. Improvement. Erosion.
ALS. JOUR.	:	RZhBiol., No. 3 1959, No. 10716
AUTHOR	:	<u>Aran', Sh.</u>
INST.	:	"
TITLE	:	Improvement of Saline Soils.
ORIG. PUN.	:	Pochvovedeniya, 1957, No. 7, 1-12
ABSTRACT	:	Methods used in Hungary for the improvement of Solonetz soils are described. Improvement of Solonetz soils by means of the application of S is achieved easier on soils of light or medium mechanical composition than on heavy soils. On Solonetz soils of heavy mechanical composition sulfates do not always produce a positive effect. On light Solonetz soils, their application usually leads to good results. Application of finely ground pyrite also

CARD: 1/3

43

27.5000

39912  
S/044/62/000/007/091/100  
C111/C333

AUTHOR: Arana, L.  
TITLE: Perception as a probability process  
PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 78,  
abstract 7V383. ("Vopr. psichologii", 1961, no. 5, 47-62)  
TEXT: The results of the following experiments are described and discussed. The test person is given a board consisting of 25 squares ( $5 \times 5$ ) in which a letter is laid out with pegs. To determine the letter the blindfolded test person feels the squares of the board with his fingers in an arbitrary sequence; the experimenter record the movement of the fingers. The test person aims at giving the correct answer as fast as possible. Examined were the changes of the search trajectory in subsequent trials, the influence of previously given information (in all three trial series the test persons were told that letters of the Russian alphabet are in question; in the last series they were told which letters) and the influence of the introduction of new letters into the test set. The process of guessing the letter is interpreted as a choice of a hypothesis from a class of hypotheses. In becoming familiar with the current picture elements (one square of the board),  
Card 1/2

Dept. Psychology - Moscow State U.

Perception as a probability process

S/044/62/000/007/091/100  
C111/C333

the probabilities of the hypotheses change; finally a hypothesis becomes a certainty. The results of the experiment agree sufficiently well with the following interpretation: at the end of a test series the test persons develope a search plan (trajectory) which is close to the optimal. The search chaos at the beginning of the series is explained by the author with the presence of a large number of working hypotheses; a certain amount of superfluous searching at the end is explained by the author as an incomplete assimilation of the information and other factors; e. g., if that part of the trajectory which is necessary to get into the square giving the final information on the suggested letter is superfluous. It is possible that the test person wishes to test the correctness of the final decision.

[Abstracter's note: Complete translation.]

Card 2/2

ARANA-LARREA, L.

ARANA-LARREA, L.: "The interaction of the visual, dermal, and motor analysors in learning the content of courses". Moscow, 1955. Moscow State U imeni M. V. Lomonosov.  
(Dissertations for the degree of Candidate of Pedagogical Sciences.)

SO: Knizhnaya Letopis' No. 50. 10 December 1955. Moscow.

PALETSKAYA, L.N.; ARANBAYEV, M.P.

Some data on the microflora of soils in central Kopet-Dag.  
Izv. AN Turk. SSR. Ser. biol. nauk no.3:51-59 '63.

(MIRA 17:1)

1. Institut botaniki AN Turkmeneskoy SSR.

ARANCHIY, G.V., inzh.; ZHEMEROV, G.G., inzh.; EPSHTEYN, I.I., inzh.

Method for analyzing autonomous inverters supplying power to  
asynchronous motors. Elektrotehnika 36 no.5:17-21 My '65.

(MIRA 18:5)

L 20413-66 EWT(1)/ETC(f)/EWG(m)/EWA(h)  
ACC NR: AP6009850

SOURCE CODE: UR/0413/66/000/004/0040/0041

AUTHOR: Aranchiy, G. V.; Zhemerov, G. G.; Savel'yev, L. Ye.;  
Epshteyn, I. I.

ORG: none

TITLE: D-c to a-c converter [announced by the Scientific Research Institute of Electrical Engineering (Nauchno-issledovatel'skiy elektrotehnicheskiy institut)]. Class 21, No. 178890

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 40-41

TOPIC TAGS: current converter, transistorized converter

ABSTRACT: A transistorized d-c to a-c converter containing a transformer with feedback windings (see figure) is introduced. To enhance frequency stability when ordinary magnetic materials are used, an additional transformer is employed. Two of its primary windings are connected in series with the feedback windings; its secondary windings are connected in parallel with the capacitor. Frequency control is accomplished by a variable inductance connected in parallel with the capacitance. Orig. art. has: 1 figure.

[JR]

Card 1/2

UDC: 621.314.572

L 20418-66  
ACC NR: AP6009850

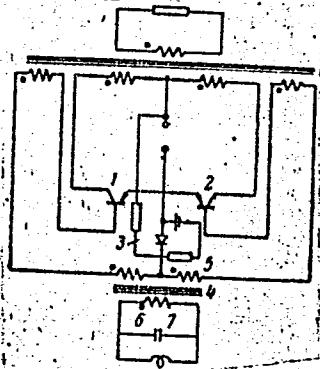


Fig. 1. D-c to a-c converter

1, 2 - Transistors; 3 - bias circuit; 4 - additional transformer; 5 - primary windings; 6 - secondary windings; 7 - capacitor.

SUB CODE: 09 / SUBM DATE: 28Jan65 / ATD PRESS: 4222

Card 2/2 ULR

ALASHULER, M.M.; BRUSHTEYN, N.Z., kand. tekhn. nauk; ARANDARENKO, N.F.

Economic efficiency of using enriched blowing in underground  
lignite gasification. Podzem. gaz. ugl. no.1:67-71 '59.  
(MIRA 12:6)

1. VNII Podzemgaz.

(Coal gasification, Underground)  
(Oxygen--Industrial applications)

AUTHORS: Arandarenko, T. T., Poluboyarinov, D. N. SOV/131-58-10-6/11

TITLE: On the Use of Hydrate of Alumina for Highly Aluminous Products (Ob ispol'zovanii gidrata glinozem'a dlya proizvodstva vysokoglinozemistykh izdeliy)

PERIODICAL: Ogneupory, 1958, Nr 10, pp. 467-476 (USSR)

ABSTRACT: V.A. Rybnikov (Ref 1) pointed to the usefulness of hydrate of alumina. In this investigation the conditions for the production of various kinds of alumina were examined. Table 1 shows the chemical composition of the materials tested. The chemical analyses were carried out by M.N. Rybinskaya in the Niestroykeramika. The authors go on to describe:  
- the disintegration of commercial hydrate of alumina, referring to the work done by G.A. Vydriv (Ref 2). Figure 1 shows the dispersion characteristics of commercial alumina and of the hydrate as a function of the disintegration conditions;  
- the production of finely disperse hydrate of alumina by means of chemical condensation;  
- the dusting loss of alumina;

Card 1/2

On the Use of Hydrate of Alumina for Highly  
Aluminous Products

SOV/131-58-10-6/11

- the agglomeration of mullite and corundum bodies out of different kinds of aluminiferous material. The X-ray analysis was carried out by A.V. Beznosikova (Ref 3) in the Nistroykeramika. The authors also refer to the work of G.A. Osmolovskiy. The results of the agglomeration examination are contained in table 2 and figure 2. Figure 3 shows the agglomeration of equally disperse briquets, figure 4 the agglomeration of mullite briquets as a function of the nature of finely disperse alumina. The X-ray analysis was carried out by T.S. Butt in the Nistroykeramika. Figure 5 shows the agglomeration of mullite briquets and figure 6 the agglomeration of corundum briquets, both as a function of the kind and dispersion of the hydrate of alumina. The sintering temperature of mullite and corundum bodies depends mainly on the dispersion of alumina.

There are 6 figures, 2 tables, and 14 references which are Soviet.

ASSOCIATION: Nistroykeramika  
Card 2/2

ARANDARENKO. T. T.

Cand Tech Sci - (diss) "Means of utilizing by-products of the aluminum industry for the production of high-alumina articles." Moscow, 1961. 14 pp; 1 p of diagrams; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Lenin Chemical Technology Inst imeni D. I. Mendeleyev); 150 copies; free; (KL, 5-61 sup, 187)

ARANDARENKO, V.; SHELENGOVSKIY, A.

Universal machinery attachments. Tekh.mol. 23 no.2:35 F '55.  
(Machine tools--Accessories and attachments) (MLRA 8:4)

ARANDELovic, Dragoljub, inz. (Beograd, Majke Jevrosime 42)

Industrial faculties and industrial engineering.  
Tehnika Jug 18 no. 12: 2179-2184 D '63

1. Sef Odeljenja za istrazivanje Instituta za  
organizaciju rada, Beograd.

ARANDELovic, DRAGOLJUB

Yugoslavia (430)

Science

Osnovi hemiske termodinamike za  
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(ENDOCARDITIS, SUBACUTE BACTERIAL  
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ARANDELovic, Vlada

A very useful meeting at the Belgrade Post Office 2. PTT  
Zajed 4 no. 348-49 My-Je '62.

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ARANDI, Paul Yanovich

Academic Degree of Doctor of Agricultural Sciences, Based on his defense, 27 June 1955, in the Council of the Moscow Order of Lenin Agricultural Acad imeni Timiryazev, of his dissertation entitled: "Improving cattle of red Estonian breed by means of directed feeding of the calves."

Academic degree and/or title: Doctor of Sciences

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ARANDI, P. Ya.

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Abs Jour : Ref Zuur Biol., No 3, 1959, 1241.7

Author : Arandi, P.Ya.

Inst : Academy of Sciences, Estonian SSR

Title : Dynamics of Gaseous-Energy Exchange in Young Estonian Red Cattle under the Influence of External Environmental Factors.

Orig Pub : Izv. AN EstSSR, Ser. biol., 1957, 6, No 2, 99-108

Abstract : Gaseous exchange (GE) was studied by the Douglas-Holden method in 60 calves ranging from the first day of life to the age of 2. The calves were divided into 6 groups and received different rations. GE was higher with the more liberal rations. Addition to the rations of vegetable fodder with a simultaneous decrease in the protein content caused an elevation of GE. At the end of the

Card 1/2

Card 2/2

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